

# E-HEALTH



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# SOME ANALYSIS

- Public health expenditure in the EU's 27 Member States was on average 5.9% of GDP in 1990, rose to 7.2% of GDP in 2010, and the projections show that expenditure may continue to grow to 8.5% of GDP in 2060.
- US health care costs doubled in a 30-year period and were forecast to reach 20 percent of GDP by 2017.
- Health economists forecast steady increases of almost 7% per year in national health costs
- ***Deep-rooted structural reforms are needed to ensure the sustainability of the health systems***



# MARKET POTENTIAL..

- The market potential of eHealth is strong and some predictions claim compound annual growth (CAGR) of 16.9%
- The convergence between wireless communication technologies and healthcare devices and between health and social care and overall connectivity to Internet is creating new businesses where interoperability is the key enabler
- The Health Online 2013 study shows that 81% of U.S. adults use the internet and 59% say they have looked online for health information in the past year.
- Also, seven in ten (69%) U.S. adults track a health indicator for themselves or a loved one, where 21% say they use some form of technology to track their health data, and many say this activity has changed their overall approach to health.



# DIGITAL AGENDA AND HEALTH

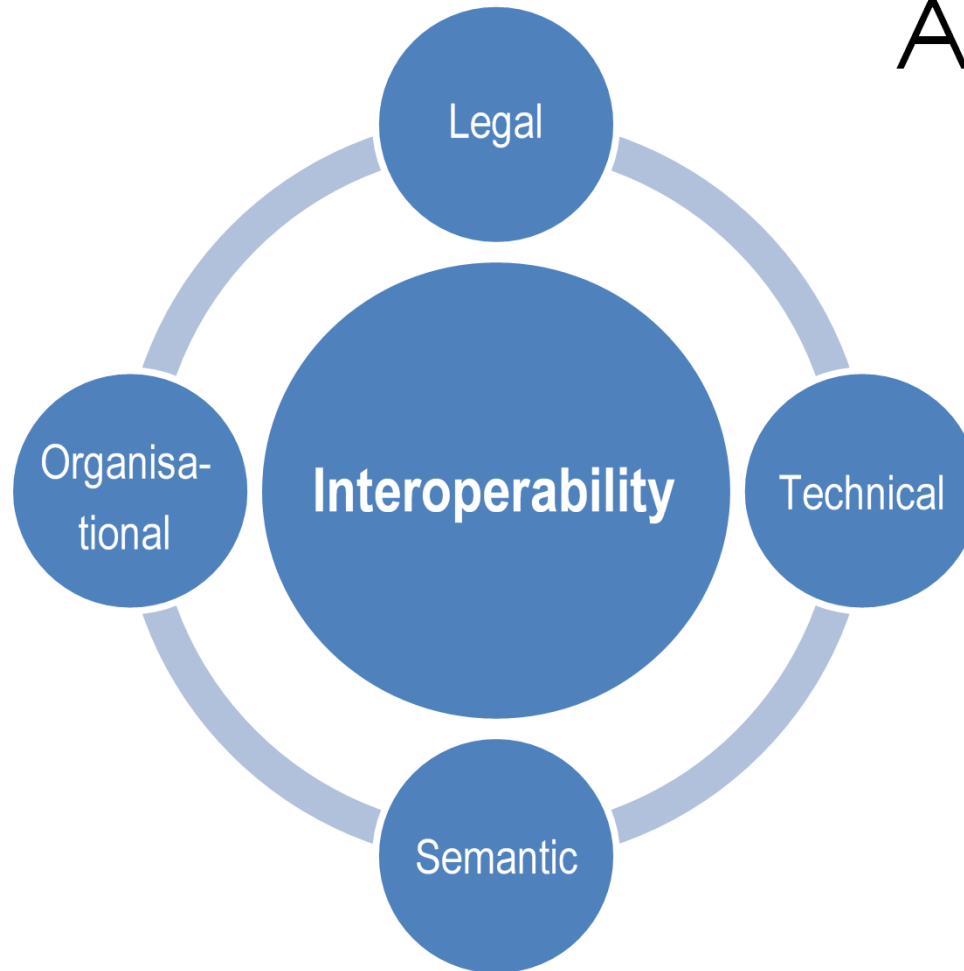
- *EU Digital Agenda*
  - *Digital economy grows 7 TIMES faster than other economy*
- *Investments in ICT are responsible for more than 50% of productivity increase in overall industry (and health)*
- *It used to take Fortune 500 companies an average of 20 years to reach a billion-dollar valuation; today's digital start-ups are getting there in four (World Economic Forum 2016)*



# INTEROPERABILITY

- Interoperability is the ability that two or more systems or components exchange information and use information that has been exchanged
- Interoperability refers to the possibility of exchanging medical data between two or more interconnected systems and understanding transmitted data in the same way by all participants in communication (physicians, healthcare professionals, patients and other users)
- Interoperability must also take into account all associated legislative and business processes and relationships

# INTEROPERABILITY ASPECTS





# E-HEALTH

- ENORMOUS potential for future enhancements of health systems
- Enables MANAGEMENT
- Enables focus on expert knowledge (rather than procedural tasks)
- Health projects integrated with ICT technology are among MOST ENCOURAGED and PROSPECTIVE project types



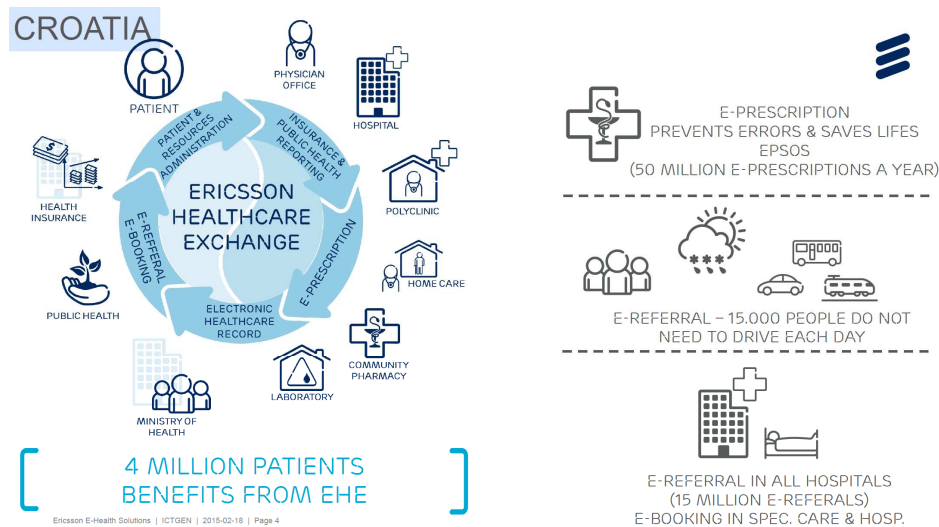
# USE OF TECHNOLOGY

- Very often available technologies are MISUSED due to not sufficient knowledge of technology. Here are few typical examples:
- Digital imaging
- Interoperability



# SOME EXAMPLE PROJECTS/CONTACTS

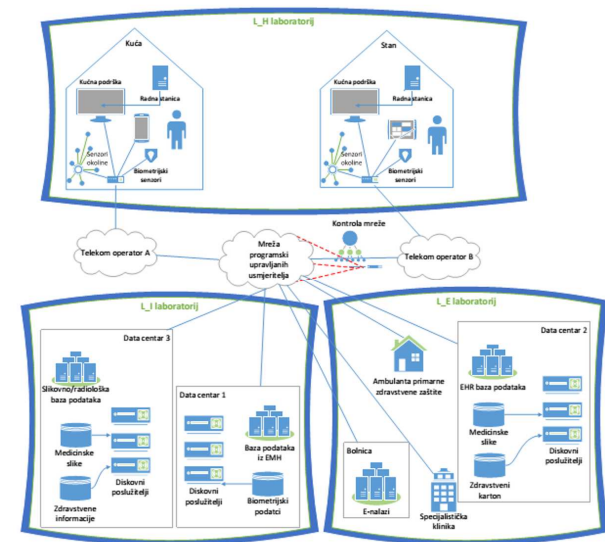
- National HealthCare System, Carewell, Tetracom, ICTGEN



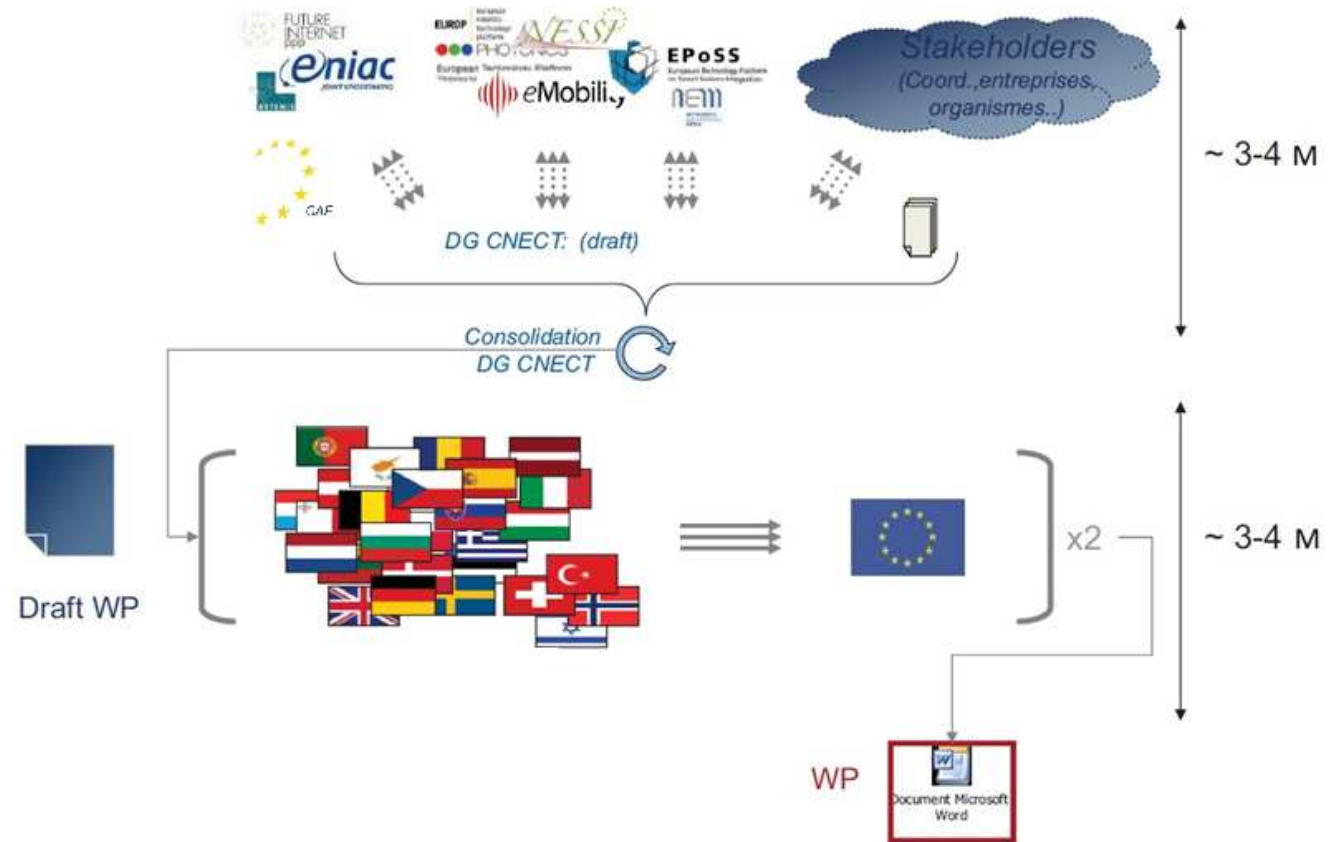
**E-PRESCRIPTION PREVENTS ERRORS & SAVES LIVES EPSOS (50 MILLION E-PRESCRIPTIONS A YEAR)**

**E-REFERRAL - 15.000 PEOPLE DO NOT NEED TO DRIVE EACH DAY**

**E-REFERRAL IN ALL HOSPITALS (15 MILLION E-REFERRALS)  
E-BOOKING IN SPEC. CARE & HOSP.**



# CREATION OF WP



# PRESENTATION TOMORROW

- I invite you for the presentation on some novel E-Health m-Health solutions that PATIENTS LOVE



*IN THE GLOBAL DIGITAL ECONOMY,*

**TO OUT-COMPUTE IS TO OUT-  
COMPETE.**

ESKERRIK ASKO 😊

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